

ORF2 1 F V T L D L L R A K E S I D S S K K A L R  
CTGAACTAAATATTTCGTCACCCATACATTTAAUAttttCAAGtttCAAAtttCATAAATCATTtAAGtttAAACtttACTACGGTA3'

Figure 1

**Figure 2**

EcoRI

**gaattcggcacgagccctgtatactgtgtttgtactaactccatcgtaataattatataataataaaa**/2

M E S T S T T N F V A E N R P T 17  
ATG GAS TCG ACA TCA ACA ACG ACC AAC TTT GTT GCG GAG AAC CGT CCC ACT 125

F G E T F C V M R E A L L R V K S S 35  
TTT ATG GAG AGC TTT GAT GTC ATG AGG GAA GCT TTT CGT GTC AAG TGT TCT 179

E R L A M L R A L A G M I S H R V L S 53  
GAA CCT TTG GCA ATG TTT AGA GCG TTT GCA GGA ATG TGC GTC GAT AAC GAG GTC TTT 233

P G T G A S A I A A T V T P K G A S 71  
CCT GGC ACT CGT GCT TGT GCG ATA GCG GCA ACG STA ACC CCA AAG GGG GCT TCG 287

M K L K P P R P Q S T K S P E L R E 89  
ATG AAG CTT AAA CCA CGG CGT CCG CAG TCA ACG AAG TGT CGG GAG CTC AGG GAG 341

L S R K I R E M N K T I S Q E S A R 107  
CTG TCA CGG AAG ATT CGC GAA ATG AAT AAG ACT ATA AGT CAG GAA TCA GCT CGG 395

V N R R L P E G H P L L E K R A E Y 125  
GTA AAC CAC CGG TTG CCG GAA GGC CAC CCT CTC TTA GAG AAG CGG GCA GAA **TAT** 449

F V T L D L R A K E S I D S S K K 143  
**(T) TTC GTC ACC TTA GAT CTC TTA AGA GCC AAG GAG TCA ATA GAC TCA TCT AAC AAG** 504

A L R R Y R A S M R N T N R L V H N 161  
GCA CTA CGT AGG TAC CGT GCC TCT ATG AGG AAT ACG AAC CGA CTA GTG CAC AAT 558

R R P V L P K V E P D S N L P F G Q 179  
ACA CGA CCA GTT CTA CCA AAG GTA GAG CCT GAC TCT AAT CTA CCA TTC GGC CAG 612

R R S R M T T W N L R P R R P G Y P 197  
CGA CGG AGT CGC ATG ACA ACG TGG AAT CTT AGA CCA CGC CGG ACG GGT TAT CCG 666

S N S P L A V T E L L I S I Y R S N 215  
TCA AAT GGT ACT TTC GCA GTT ACG GAA CTC CTG ATC TCG ATT TAT AGA TCA AAC 720

F Y T L K V V E E G R C T C C N T H 233  
TTC TAC ACC TTG AAG CTG GTC GAG GAA GGG AGA TGT ACG TGC TGC AAC ACC CAT 774

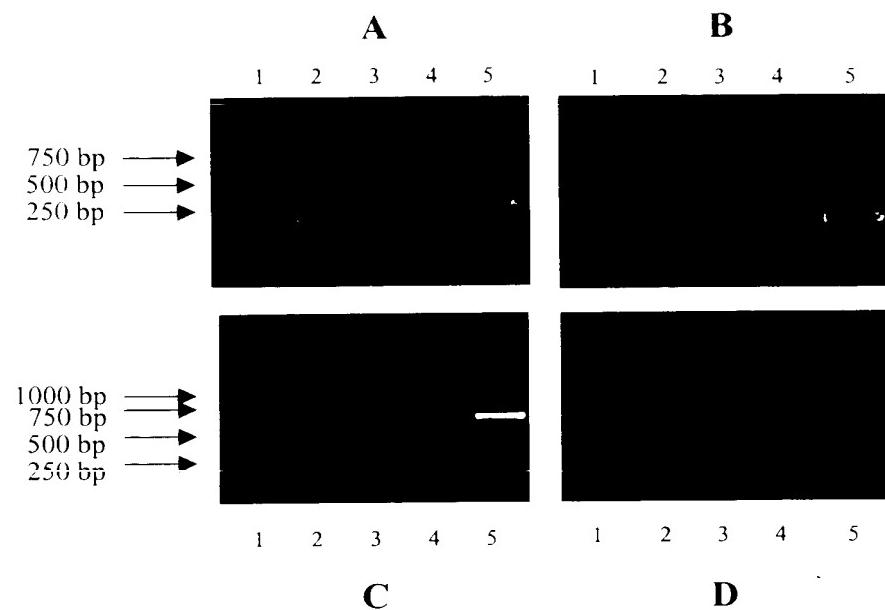
K E Q A L L L S G Y L Q L Y R A L 351  
AAG GAG CAA GCT TTG TTA CTC CTA TCC GGT TAC CTC CAG CTA TAT CGT GCA CTG 828

H S V G R S V F V E Y C K T R I C V 369  
CAC TCA GTT GGA AGG TCT GTA TTC STA GAA TAC TGC AAA ACC AGG ATA TGC GTC 880

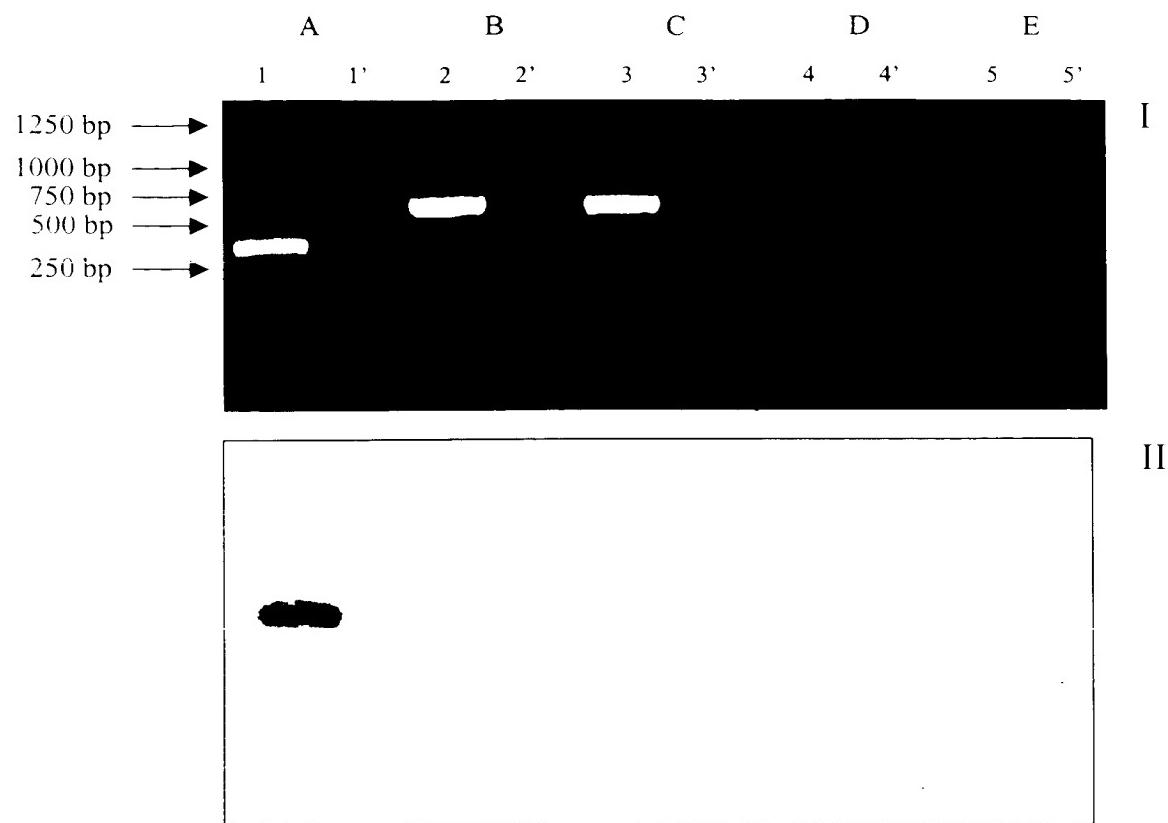
F A R I T S L R P R H T L T G C \* 386

GAATTCGGCACGAGCCCTGTATACTGTTGACTAACTCCATCGTAATAATTATATAATAATAAAA/2

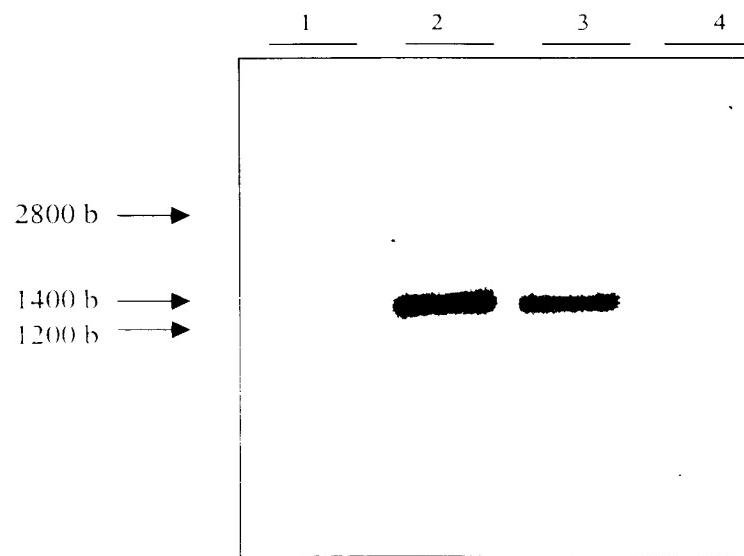
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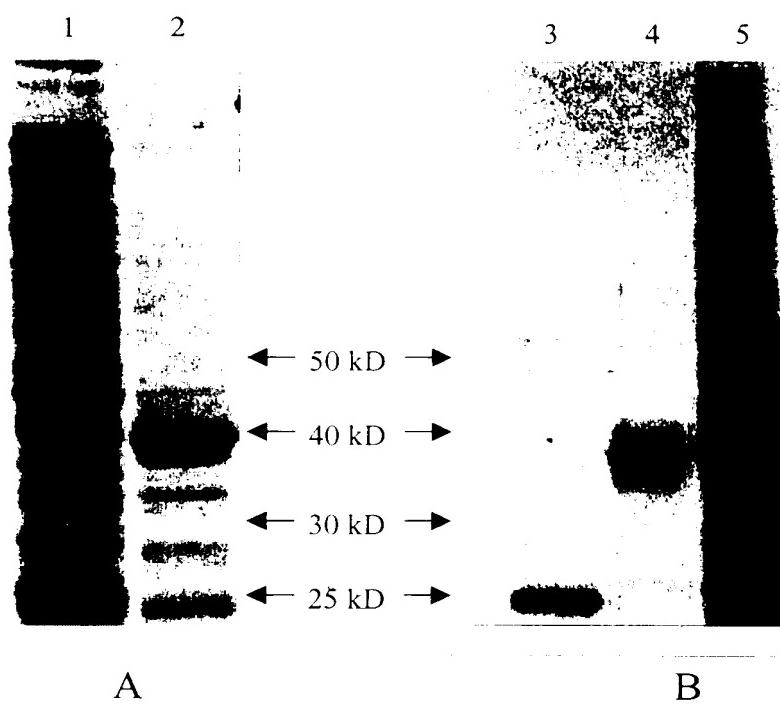
**Figure 4**



**Figure 5**



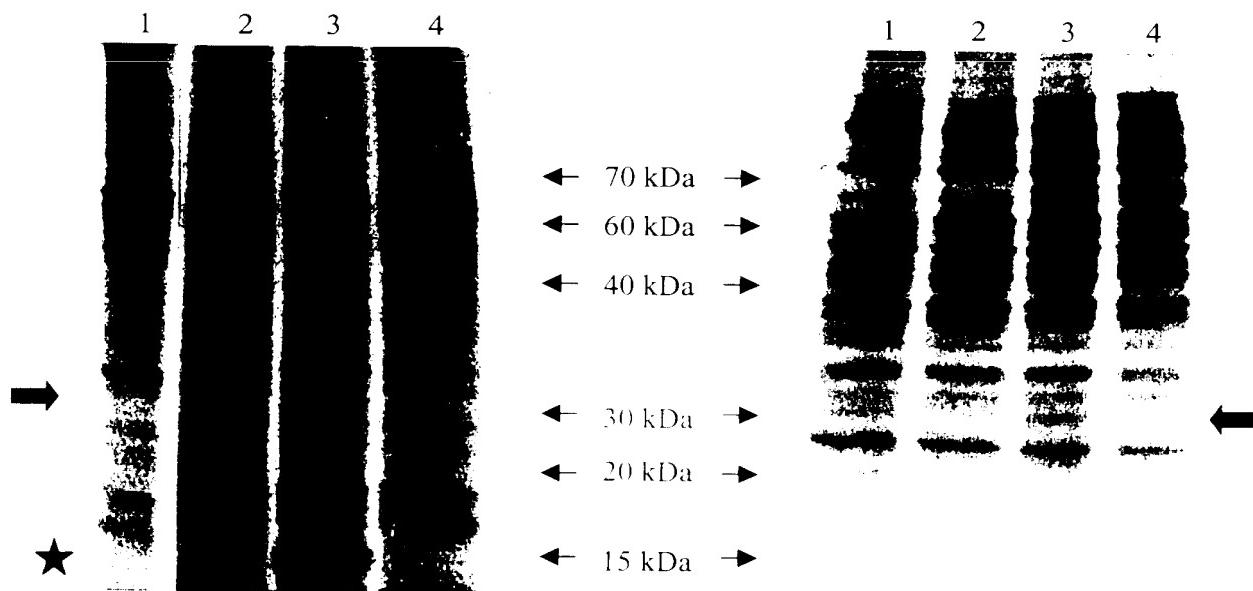
gels



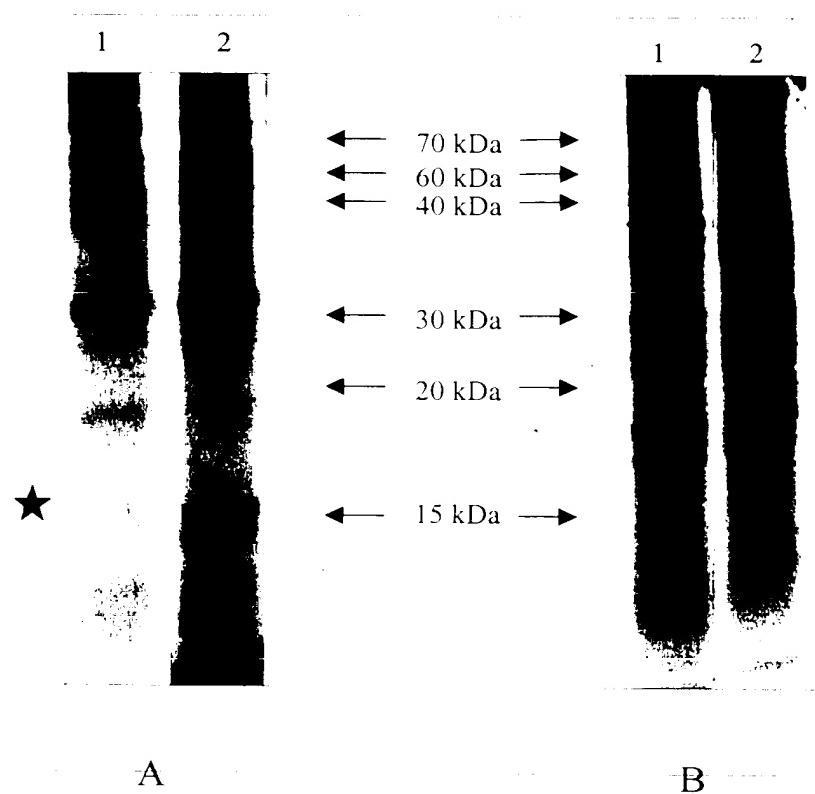
A

B

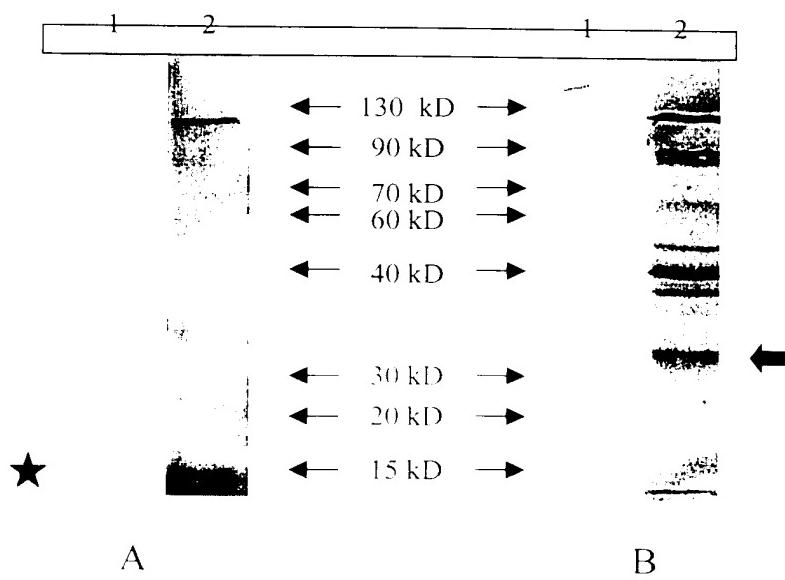
**Figure 7**



**Figure 8**



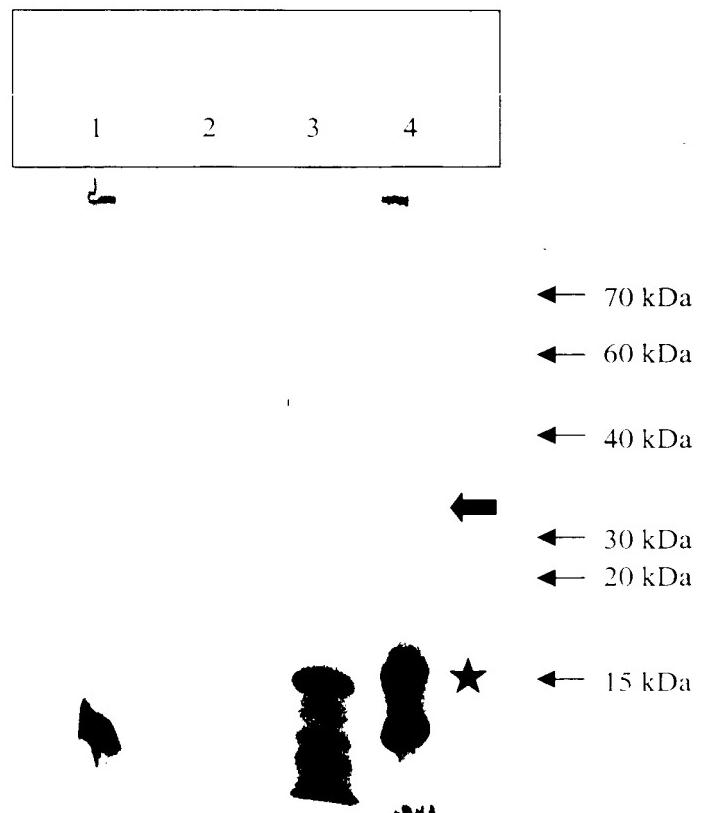
**Figure 9**



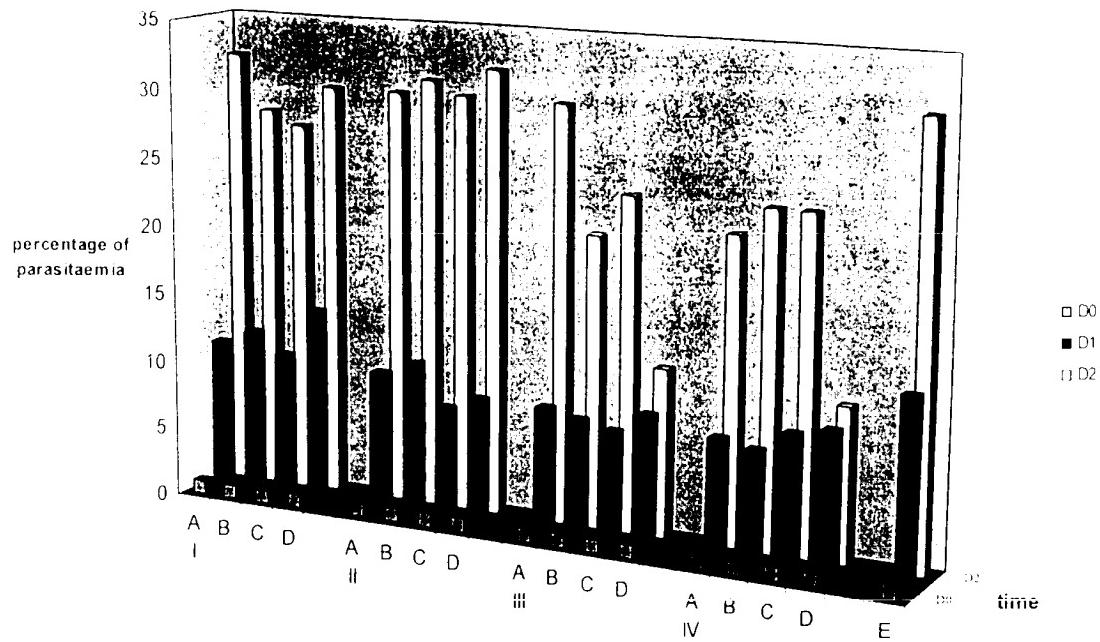
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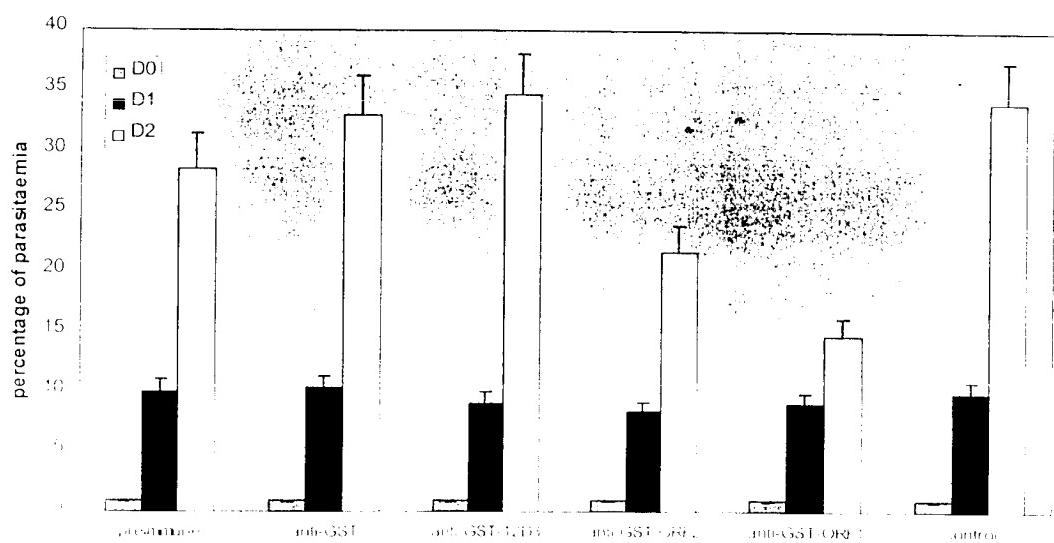
**Figure 11**

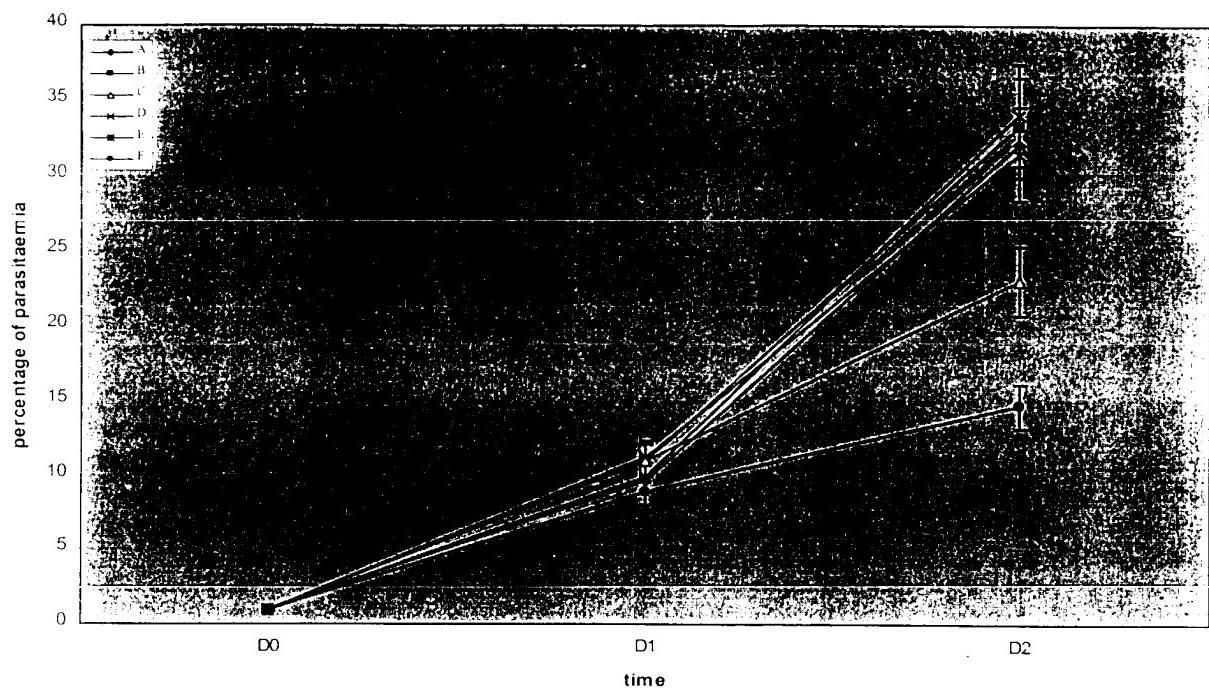


**Figure 12**

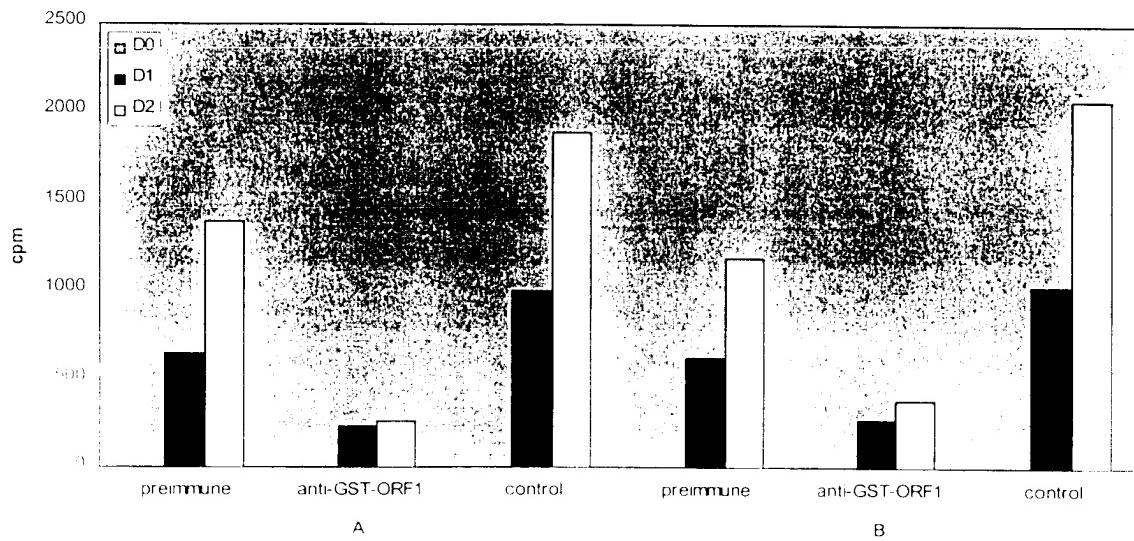


**Figure 13**

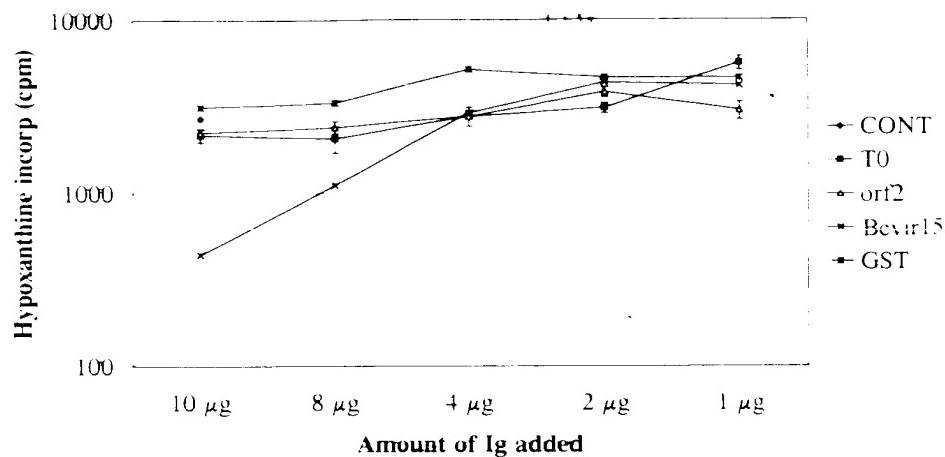




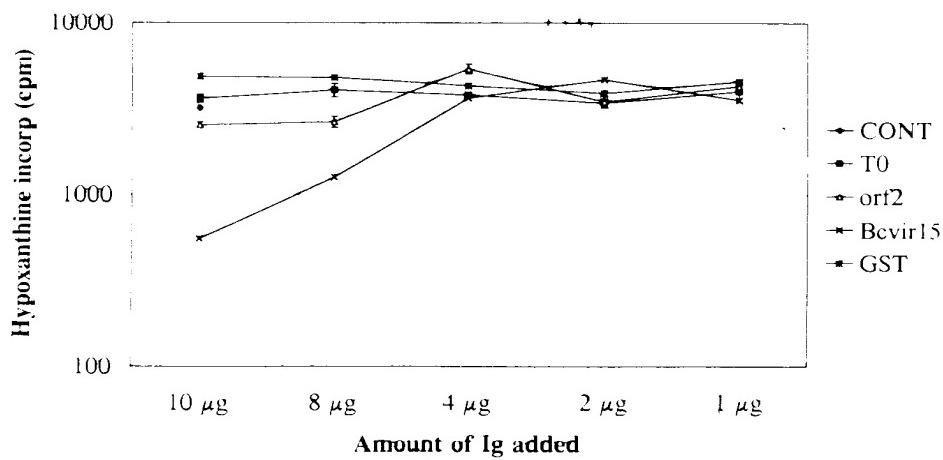
**Figure 16**



### Inhibition *in vitro* *B. canis* A



### Inhibition *in vitro* *B. canis* B



### Inhibition *in vitro* *B. rossi* M

